

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0009] as follows:

[0009] For example, U.S. Patent No. ~~6,422,090~~ 6,442,090 entitled “Differential Sensing Amplifier for Content Addressable Memory” by Ahmed et al. describes a differential cross-coupled sense amplifier. FIG. 1 is an embodiment of Ahmed’s cross-coupled differential sensing amplifier that requires a cascaded connection load, which varies, making sensing time selection difficult. The FIG. 1 amplifier 105 also needs to allow an extra noise margin in case of match line voltage fluctuations and an offset having a varying load.

Please amend paragraph [0030] as follows:

[0030] The circuit 500 of FIG. 5A operates similar to that of FIG. 4A as demonstrated by the timing diagram illustrated in FIG. 5B. It should be noted that in the FIG. 5B timing diagram the control signal “ivcon” has been omitted, but the output signal V_{out2} is shown along with the precharge signal and the match line signal. Once again, as shown in FIG. 5B three different operations conditions are illustrated by the respective time periods t_1 , t_2 and t_3 . In operational time period t_1 , the match line is pulled quickly low due to many of mismatching bits between the CAM word and the word stored in the comparand, while in operational time period t_2 , the bits between the CAM word and that of the word stored in the comparand match, while in operational time period t_3 , there are a few bits which mismatch.

Please amend paragraph [0039] as follows:

[0039] The storage controller 611 couples one or more storage devices 613, via a storage bus 612, to the peripheral bus 610. For example, the storage controller 611 may be a SCSI controller and storage devices 613 may be SCSI discs. The I/O device 614

may be any sort of peripheral. For example, the I/O device 614 may be an local area network interface, such as an Ethernet card. The secondary bus bridge may be used to interface additional devices via another bus to the processing system. For example, the secondary bus bridge 616 may be an universal serial port (USB) controller used to couple USB bus devices 617 via to the processing system 600. The multimedia processor 618 may be a sound card, a video capture card, or any other type of media interface, which may also be coupled to one additional devices such as speakers 619. The legacy device interface 620 is used to couple legacy devices 621, for example, older styled keyboards and mice, to the processing system 600.